STATE OF NEW HAMPSHIRE
Department of Environmental Services
Air Resources Division

Title V Operating Permit

Permit No: **TV-OP-015**
Date Issued: **April 2, 1999**

This certifies that:
G-P Gypsum Corporation
122 Old Dover Road
Newington, NH 03801

has been granted a Title V Operating Permit for the following facility and location:
G-P Gypsum Corporation
122 Old Dover Road
Newington, NH 03801
AFS Point Source Number 3301500077

This Title V Operating Permit is hereby issued under the terms and conditions specified in the Title V Operating Permit Application filed with the New Hampshire Department of Environmental Services on **July 1, 1996** under the signature of the following responsible official certifying to the best of their knowledge that the statements and information therein are true, accurate and complete.

Responsible Official:
Jim Jenkins
Plant Manager
(603) 433-8000
Technical Contact:
Michael Quinn
Environmental Specialist
(603) 433-8000

This Permit is issued by the New Hampshire Department of Environmental Services, Air Resources Division pursuant to its authority under New Hampshire RSA 125-C and in accordance with the provisions of Code of the Federal Regulations 40 Part 70.

This Title V Operating Permit shall expire on **April 30, 2004**.

SEE ATTACHED SHEETS FOR ADDITIONAL PERMIT CONDITIONS

For the New Hampshire Department of Environmental Services, Air Resource Division

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Director, Air Resources Division

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Facility Specific Title V Operating Permit Conditions

I. Facility Description of Operations:

G-P Gypsum, located at 122 Old Dover Road in Newington, New Hampshire is a producer of gypsum wall board. The wall board is produced using gypsum stone, paper, and additives such as starch, fiberglass, and foam. The facility is composed of three Claudius Peters Mills, a Williams Mill, two tunnel-type gypsum wall board dryers, and other support equipment. Natural gas is the primary fuel used in the Claudius Peters Mills, Williams Mill, and Board Dryers.

II. Permitted Activities:

In accordance with all of the applicable requirements identified in this permit, the permittee is authorized to operate the devices and or processes identified in Sections III, IV, V, and VI within the terms and conditions specified in this Permit.

III. Significant Activities Identification:

A. The activities identified in the following table (Table 1) are subject to and regulated by this Title V Operating Permit:

Table 1 - Significant Activity Identification

Emission Unit Number	Description of Emission Unit	Exhaust Stack Identification	Emissions Unit Maximum Allowable Permitted Capacity
(R1) (R12) (R13) (R18)	Rock Crushing Number 1 Board Trimmer Number 2 Board Trimmer Dunnage Trim Machine	Stack S1	a. Rock Crushing is limited to 150 tons per hour throughput of gypsum rock. b. Board Trimmers and Dunnage Trim Machines limited to 54.5 tons per hour of gypsum wallboard each.
(R2) (R5) (R19)	Rock System Williams Mill Pin Mixer	Stack S2	a. Rock System is limited to 150 tons per hour throughput of gypsum rock. b. Williams Mill is limited to 1600 pounds per hour throughput of gypsum rock. c. Pin Mixer is limited to 98.1 tons per hour throughput of stucco.
(R3)	C.P. Mill #1	Stack S3	a. C.P. Mill #1 is limited to 35.6 tons per hour of gypsum rock. b. Maximum gross heat input rate of C.P. Mill #1 is limited to 23 million Btu's per hour of #2 fuel oil at a maximum sulfur content of 0.15% by weight or natural gas. c. The maximum annual fuel consumption of the C.P. Mill #1 is limited to 1,439,000 gallons of #2 fuel oil at a maximum sulfur content of 0.15% by weight or 191.9 million cubic feet of natural gas with a maximum sulfur content of 5 grains sulfur per 100 cubic feet.
(R4)	C.P. Mill #2	Stack S4	a. C.P. Mill #2 is limited to 35.6 tons per hour of gypsum rock. b. Maximum gross heat input rate of C.P. Mill #2 is limited to 23 million Btu's per hour of #2 fuel oil at a maximum sulfur content of 0.15% by weight or natural gas. c. The maximum annual fuel consumption of the C.P. Mill #2 is limited to 1,439,000 gallons of #2 fuel oil at a maximum sulfur content of 0.15% by weight or 191.9 million cubic feet of natural gas with a maximum sulfur content of 5 grains sulfur per 100 cubic feet.

Table 1 - Significant Activity Identification			
(R6) (R7) (R8) (R9)	Stucco Screen Number 1 Stucco Storage System Number 2 Stucco Storage System Stucco Cooling System and Baghouse	Stack S5	a. Stucco Screen is limited to 106.8 tons per hour throughput of stucco. b. Stucco Storage Systems are limited to 106.8 tons per hour throughput of stucco. c. Stucco Cooling System is limited to 106.8 tons per hour throughput of stucco.
(R10)	Additive Bin Filling	Stack S6	a. Additive Bin Filling System is limited to 9.0 tons per hour throughput of potassium sulfate, vermiculite, clay, sugar, dextrose, boric acid, and landplaster. b. Operating hours of this device are limited to 8 hours per day and 365 days per year.
(R11)	Starch Storage	Stack S7	a. Starch Storage System is limited to 30.0 tons per hour throughput of starch. b. Operating hours of this device are limited to 4 hours per day and 365 days per year.
(R14)	Board Dryer #1	Stack S8	a. Board Dryer #1 is limited to 54.5 tons per hour throughput of gypsum wallboard. b. Maximum gross heat input rate of Board Dryer #1 is limited to 67 million Btu's per hour of natural gas or propane with a maximum sulfur content of 5 grains of sulfur per 100 cubic feet. c. Maximum annual fuel consumption of Board Dryer #1 is limited to 575,412,000 cubic feet of natural gas or propane.
(R16)	Board Dryer #2	Stack S10	a. Board Dryer #2 is limited to 54.5 tons per hour throughput of gypsum wallboard. b. Maximum gross heat input rate of Board Dryer #2 is limited to 67 million Btu's per hour of natural gas or propane with a maximum sulfur content of 5 grains of sulfur per 100 cubic feet.. c. Maximum annual fuel consumption of Board Dryer #2 is limited to 575,412,000 cubic feet of natural gas or propane.
(R20)	C.P. Mill #3	Stack S12	a. C.P. Mill #3 is limited to 35.6 tons per hour of gypsum rock. b. Maximum gross heat input rate of C.P. Mill #3 is limited to 23 million Btu's per hour of #2 fuel oil at a maximum sulfur content of 0.15% by weight or natural gas with a maximum sulfur content of 5 grains of sulfur per 100 cubic feet. c. The maximum annual fuel consumption of the C.P. Mill #3 is limited to 1,439,000 gallons of #2 fuel oil at a maximum sulfur content of 0.15% by weight or 191.9 million cubic feet of natural gas with a maximum sulfur content of 5 grains of sulfur per 100 cubic feet.

Stack Criteria:

B. The following stacks for the above listed significant devices at this facility shall discharge vertically without obstruction (including rain caps) and meet the following criteria in accordance with the state-only modeling requirements specified in Env-A 1300 and Env-A 1400:

Table 2 - Stack Criteria		
Stack #	**Minimum Stack Height (Feet)**	**Maximum Stack Diameter (Feet)**
Stack S1	100	2.75
Stack S2	117	1.75
Stack S3	120	2.92
Stack S4	120	2.92
Stack S5	117	3.42
Stack S6	90	1.00
Stack S7	90	0.83
Stack S8	110	4.50
Stack S10	110	4.50
Stack S12	120	2.92

Preauthorized changes to the state-only requirements pertaining to stack parameters (set forth in this permit), shall be permitted only when an air quality impact analysis which meets the criteria of Env-A 606 is performed either by the facility or the New Hampshire Department of Environmental Services, Air Resources Division (hereafter referred to as the "DES") [if requested by facility in writing] in accordance with the Division Policy and Procedure for Air Quality Impact Modeling". All air modeling data shall be kept on file at the facility for review by the DES upon request.

IV. Insignificant Activities Identification:

All activities at this facility that meet the criteria identified in the New Hampshire Rules Governing the Control of Air Pollution Part Env-A 609.03(c), shall be considered insignificant activities. Emissions from the insignificant activities shall be included in the total facility emissions for the emission-based fee calculation described in Section XXIII of this Permit.

V. Exempt Activities Identification:

All activities identified in the New Hampshire Rules Governing the Control of Air Pollution Env-A 609.03(c) shall be considered exempt activities and shall not be subject to or regulated by this Title V Operating Permit.

VI. Pollution Control Equipment Identification:

The devices and/or processes identified in Table 3 below are considered pollution control equipment for the identified emissions units.

Table 3 - Pollution Control Equipment Identification

Pollution Control Equipment Number (PC#)	Description of Equipment	Emission Unit Number (EU#) & Description
PC - (R1)	Baghouse - Total Suspended Particulate Control for emission unit (R1) which is one of four sources to Stack S1.	(R1) Rock Crushing
PC - (R12)	Baghouse - Total Suspended Particulate Control for emission unit (R12) which is one of four sources to Stack S1.	(R12) Number 1 Board Trimmer
PC - (R13)	Baghouse - Total Suspended Particulate Control for emission unit (R13) which is one of four sources to Stack S1.	(R13) Number 2 Board Trimmer
PC - (R18)	Baghouse - Total Suspended Particulate Control for emission unit (R18) which is one of four sources to Stack S1.	(R18) Dunnage Trim Machine
PC - (R2)	Baghouse - Total Suspended Particulate Control for emission unit (R2) which is one of three sources to Stack S2.	(R2) Rock System
PC - (R5)	Baghouse - Total Suspended Particulate Control for emission unit (R5) which is one of three sources to Stack S2.	(R5) Williams Mill
PC - (R19)	Baghouse - Total Suspended Particulate Control for emission unit (R19) which is one of three sources to Stack S2.	(R19) Pin Mixer
PC - (R3)	Baghouse - Total Suspended Particulate Control for Stack S3	(R3) C.P. Mill #1
PC - (R4)	Baghouse - Total Suspended Particulate Control for Stack S4	(R4) C.P. Mill #2
PC - (R6)	Baghouse - Total Suspended Particulate Control for emission unit (R6) which is one of four sources to Stack S5.	(R6) Stucco Screen
PC - (R7)	Baghouse - Total Suspended Particulate Control for emission unit (R7) which is one of four sources to Stack S5.	(R7) Number 1 Stucco Storage System
PC - (R8)	Baghouse - Total Suspended Particulate Control for emission unit (R8) which is one of four sources to Stack S5.	(R8) Number 2 Stucco Storage System
PC - (R9)	Baghouse - Total Suspended Particulate Control for emission unit (R9) which is one of four sources to Stack S5.	(R9) Stucco Cooling System and Baghouse
PC - (R10)	Baghouse - Total Suspended Particulate Control for emission unit (R10) which exits Stack S6.	(R10) Additive Bin Filling
PC - (R11)	Baghouse - Total Suspended Particulate Control for emission unit (R11) which exits Stack S7.	(R11) Starch Storage
PC - (R20)	Baghouse - Total Suspended Particulate Control for emission unit (R20) which exits Stack S12.	(R20) C.P. Mill #3

All equipment, facilities, and systems installed and used to achieve compliance with the terms and conditions of this permit shall at all times be maintained in good working order and shall be operated as efficiently as possible so as to minimize air pollutant emissions and meet all applicable air pollutant emission limits.

VII. Alternative Operating Scenarios:

No alternative operating scenarios were identified for this Permit. This permit will have to be amended if G-P Gypsum desires to include any alternative operating scenarios.

VIII. Applicable Requirements:

A. State-only Enforceable Operational and Emission Limitations/Pollution Control Equipment Specifications:

The Permittee shall be subject to the state-only operational and emission limitations identified in Table 4 below.

Table 4 - State-only Enforceable Operational and Emission Limitations

Item #	Regulatory Cite	Applicable Emission Unit	Applicable Requirement
1.	Env-A 902.03	Facility Wide (Baghouses)	In the event of a malfunction or breakdown of any component part of the air pollution control equipment, increased emissions shall be allowed by the Division for a period not to exceed 48 hours provided that there is no immediate danger to public health.
2.	Env-A 902.04	Facility Wide (Baghouses)	The director may, upon request of an owner or operator of a stationary source or device, grant an extension of time or a temporary variance for a period longer than 48 hours.
3.	Env-A 1002.03	Rock Handling Areas and Facility Roadways	Precautions shall be taken and continued throughout the duration of the activity in order to prevent, abate, and control the emission of fugitive dust. Such precautions shall include wetting, covering, shielding, or vacuuming.
4.	Env-A 1305.01(a)	Facility Wide	New or modified devices, new or modified area sources, and existing devices or area sources for which new applications for permits are filed that have the potential to emit, in any amount, substances that meet the criteria of Env-A 1301 shall be subject to Env-A 1300, until such time as the Env-A 1400 requirements supersede the Env-A 1300 requirements. (As outlined below)
5.	Env-A 1305.02	Facility Wide	Air quality impact analysis of devices and area sources emitting substances meeting the criteria of Env-A 1301 shall be performed in accordance with the "DES Policy and Procedure for Air Quality Impact Modeling" or other comparable dispersion modeling methods approved by EPA.
6.	Env-A 1403.01	Facility Wide	In accordance with Env-A 1403.01, new or modified devices or processes installed after May 8, 1998, shall be subject to the requirements of Env-A 1400.
7.	Env-A 1403.02(a)	Facility Wide	In accordance with 1403.02(a), all existing unmodified devices or processes which are in operation during the transition period ending three years from May 8, 1998 (May 8, 2001), shall comply with either Env-A 1300 or Env-A 1400.
8.	Env-A 1403.02(b)	Facility Wide	In accordance with Env-A 1403.02(b), all existing devices or processes in operation after the transition period ending three years from May 8, 1998 (May 8, 2001), shall comply with Env-A 1400. Env-A 1300 will no longer be in effect.
9.	Env-A 1404.01(d)	Facility Wide	In accordance with Env-A 1404.01(d), documentation for the demonstration of compliance shall be retained at the site, and shall be made available to the DES for inspection.
10.	Env-A 1405.02	Facility Wide	In accordance with Env-A 1405.02 the owner of an existing device or process requiring a permit modification under chapter Env-A 1400 shall submit to the DES no later than one year prior to the end of the transition period (May 8, 2000), an application for a modification to a title V permit in accordance with Env-A 609.18, and a request to the DES to perform air dispersion modeling.

Table 4 - State-only Enforceable Operational and Emission Limitations			
11.	Env-A 1405.03	Facility Wide	In accordance with Env-A 1405.03 the owner of an existing device or process requiring a permit under Env-A 1300 shall submit to the DES no later than one year prior to the end of the transition period (May 8, 2000), a compliance plan identifying how the device or process will comply with chapter Env-A 1400 by the end of the transition period. The compliance plan shall contain the dates when the information required in Env-A 1405.02 will be filed with the DES.
12.	Env-A 1406.01	Facility Wide	In accordance with Env-A 1406.01 the owner of any device or process which emits a regulated toxic air pollutant shall determine compliance with the ambient air limits by using one of the methods provided in Env-A 1406.02, Env-A 1406.03, or Env-A 1406.04. Upon request, the owner of any device or process which emits a regulated toxic air pollutant shall provide documentation of compliance with the ambient air limits to the DES.

VIII. Applicable Requirements

B. Federally Enforceable Operational & Emission Limitations/Pollution Control Equipment Specifications

In accordance with modeling performed to demonstrate compliance with national ambient air quality standards (regulatory citations RSA 125-C:6, RSA 125-C:11, and Env-A 606.04), the following operating and emissions limitations and pollution control equipment specifications are applicable, listed by individual stack:

(1) Stack S1 - (R1) Rock Crushing, (R12) Number 1 Board Trimmer, (R13) Number 2 Board Trimmer, and (R18) Dunnage Trim Machine

a. Stack S1 shall be subject to the Code of Federal Regulations, Title 40, Part 60 (40 CFR 60), Subpart OOO, and all the requirements stated therein.

b. The maximum operating rate of the Rock Crushing System (R1) is limited to 150 tons per hour throughput of gypsum rock.

c. The maximum operating rate of each of the Board Line Trim Systems (No. 1 Board Trim, No. 2 Board Trim, and Dunnage Trim Machine), are limited to 54.5 tons per hour throughput of gypsum wallboard each.

d. The above referenced devices (Rock Crushing (R1), Number 1 Board Trimmer (R12), Number 2 Board Trimmer (R13), and the Dunnage Trim Machine (R18)) whose combined emissions exit in Stack S1, shall not be operated without a fabric filter control device (baghouse) located on each of the individual stacks. The baghouses shall be operated in such a way as to achieve a Total Suspended Particulate (TSP) removal efficiency of 99.9%.

e. The TSP emission rate from Stack S1 is limited to 2.78 pounds per hour, after controls.

(2) Stack S2 - (R2) Rock System, (R5) Williams Mill, and (R19) Pin Mixer

a. Stack S2 shall be subject to the Code of Federal Regulations, Title 40, Part 60 (40 CFR 60), Subpart OOO, and all the requirements stated therein.

b. The maximum operating rate of the Rock Crushing System (R2) is limited to 150 tons per hour throughput of gypsum rock.

c. The maximum operating rate of the Williams Mill (R5) is limited to 1600 pounds per hour throughput of gypsum rock.

d. The maximum operating rate of the Pin Mixer (R19) is limited to 98.1 tons per hour throughput of stucco.

e. The above referenced devices (Rock System (R2), Williams Mill (R5), and Pin Mixer (R19)), whose combined emissions exit in Stack S2, shall not be operated without

a fabric filter control device (baghouse) located on each of the individual stacks. The baghouses shall be operated in such a way as to achieve a Total Suspended Particulate (TSP) removal efficiency of 99.9%.

f. The TSP emission rate from Stack S2 is limited to 0.71 pounds per hour, after controls.

(3) Stack S3 - (R3) C.P. Mill #1

a. C.P. Mill #1 shall be subject to the Code of Federal Regulations, Title 40, Part 60 (40 CFR 60), Subpart UUU, and all the requirements stated therein.

b. The maximum operating rate of C.P. Mill #1 is limited to 35.6 tons per hour of gypsum rock.

c. The maximum gross heat input rate of C.P. Mill #1 is limited to 23 million Btu's per hour of #2 fuel oil at a maximum sulfur content of 0.15% by weight or natural gas with a maximum sulfur content of 5 grains of sulfur per 100 cubic feet.

d. The maximum annual fuel consumption of the C.P. Mill #1 is limited to 1,439,000 gallons of #2 fuel oil at a maximum sulfur content of 0.15% by weight or 191.9 million cubic feet of natural gas with a maximum sulfur content of 5 grains of sulfur per 100 cubic feet.

e. C.P. Mill #1 (Stack S3) shall not be operated without a fabric filter control device (baghouse). The baghouse shall be operated in such a way as to achieve a Total Suspended Particulate (TSP) removal efficiency of 99.9%.

f. The NOx emission rate from Stack S3 is limited to 3.29 pounds per hour.

(4) Stack S4 - (R4) C.P. Mill #2

a. C.P. Mill #2 shall be subject to the Code of Federal Regulations, Title 40, Part 60 (40 CFR 60), Subpart UUU, and all the requirements stated therein.

b. The maximum operating rate of C.P. Mill #2 is limited to 35.6 tons per hour of gypsum rock.

c. The maximum gross heat input rate of C.P. Mill #2 is limited to 23 million Btu's per hour of #2 fuel oil at a maximum sulfur content of 0.15% by weight or natural gas with a maximum sulfur content of 5 grains of sulfur per 100 cubic feet.

d. The maximum annual fuel consumption of the C.P. Mill #2 is limited to 1,439,000 gallons of #2 fuel oil at a maximum sulfur content of 0.15% by weight or 191.9 million cubic feet of natural gas with a maximum sulfur content of 5 grains of sulfur per 100 cubic feet.

e. C.P. Mill #2 (Stack S4) shall not be operated without a fabric filter control device (baghouse). The baghouse shall be operated in such a way as to achieve a Total

Suspended Particulate (TSP) removal efficiency of 99.9%.

f. The NOx emission rate from Stack S4 is limited to 3.29 pounds per hour.

(5) Stack (S5) - (R6) Stucco Screen, (R7) Number 1 Stucco Storage System, (R8) Number 2 Stucco Storage System, and (R9) Stucco Cooling System and Baghouse

a. Stack S5 shall be subject to the Code of Federal Regulations, Title 40, Part 60 (40 CFR 60), Subpart OOO, and all the requirements stated therein.

b. The maximum operating rates for the Stucco Screen (R6), Number 1 Stucco Storage System (R7), Number 2 Stucco Storage System (R8), and the Stucco Cooling System (R9) are limited to 106.8 tons per hour throughput of stucco each.

c. The above referenced devices (Stucco Screen (R6), Number 1 Stucco Storage System (R7), Number 2 Stucco Storage System (R8), and Stucco Cooling System and Baghouse (R9)), whose combined emissions exit in Stack S5, shall not be operated without a fabric filter control device (baghouse) on each individual stack. The baghouses shall be operated in such a way as to achieve a Total Suspended Particulate (TSP) removal efficiency of 99.9%.

d. The TSP emission rate from Stack S5 is limited to 3.78 pounds per hour, after controls.

(6) Stack (S6) - (R10) Additive Bin Filling

a. Stack S6 shall be subject to the Code of Federal Regulations, Title 40, Part 60 (40 CFR 60), Subpart OOO, and all the requirements stated therein.

b. The maximum operating rate of the Additive Bin Filling System is limited to 9.0 tons per hour throughput of potassium sulfate, vermiculite, clay, sugar, dextrose, boric acid, and landplaster.

c. The operating hours of the Additive Bin Filling System are limited to 8 hours per day and 365 days per year.

d. The Additive Bin Filling System shall not be operated without a fabric filter control device (baghouse). The baghouse shall be operated in such a way as to achieve a Total Suspended Particulate (TSP) removal efficiency of 99.9%.

e. The Total Suspended Particulate (TSP) emission rate from Stack S6 is limited to 0.28 pounds per hour, after controls.

(7) Stack (S7) - (R11) Starch Storage

a. The maximum operating rate of the Starch Storage System is limited to 30.0 tons per hour throughput of starch.

b. The operating hours of the Starch Storage System are limited to 4 hours per day and

365 days per year.

c. The Starch Storage System shall not be operated without a fabric filter control device (baghouse). The baghouse shall be operated in such a way as to achieve a Total Suspended Particulate (TSP) removal efficiency of 99.9%.

d. The Total Suspended Particulate (TSP) emission rate from Stack S7 is limited to 0.19 pounds per hour, after controls.

(8) Stack S8 - (R14) Board Dryer #1

a. The maximum operating rate of Board Dryer #1 is limited to 54.5 tons per hour throughput of gypsum wallboard.

b. The maximum gross heat input rate of Board Dryer #1 is limited to 67.0 million Btu's per hour of natural gas or propane with a maximum sulfur content of 5 grains of sulfur per 100 cubic feet.

c. The maximum annual fuel consumption of Board Dryer #1 is limited to 575,412,000 cubic feet of natural gas or propane.

d. The Particulate Matter emission rate from Stack S8 is limited to 1.1 pounds per hour.

e. The NOx emission rate from Stack S8 is limited to 6.7 pounds per hour.

(9) Stack (S10) - (R16) Board Dryer #2

a. The maximum operating rate of Board Dryer #2 is limited to 54.5 tons per hour throughput of gypsum wallboard.

b. The maximum gross heat input rate of Board Dryer #2 is limited to 67.0 million Btu's per hour of natural gas or propane with a maximum sulfur content of 5 grains of sulfur per 100 cubic feet..

c. The maximum annual fuel consumption of Board Dryer #2 is limited to 575,412,000 cubic feet of natural gas or propane.

d. The Particulate Matter emission rate from Stack S10 is limited to 1.1 pounds per hour.

e. The NOx emission rate from Stack S10 is limited to 6.7 pounds per hour.

(10) Stack (S12) - (R20) C.P. Mill #3

a. C.P. Mill #3 shall be subject to the Code of Federal Regulations, Title 40, Part 60 (40 CFR 60), Subpart UUU, and all the requirements stated therein.

b. The maximum operating rate of C.P. Mill #3 shall be limited to 35.6 tons per hour of gypsum rock.

c. The maximum gross heat input rate of C.P. Mill #3 is limited to 23 million Btu's per hour of #2 fuel oil at a maximum sulfur content of 0.15% by weight or natural gas with a maximum sulfur content of 5 grains of sulfur per 100 cubic feet.

d. The maximum annual fuel consumption of the C.P. Mill #3 is limited to 191.9 million cubic feet of natural gas with a maximum sulfur content of 5 grains of sulfur per 100 cubic feet or 1,439,000 gallons of #2 fuel oil containing a maximum sulfur content of 0.15% sulfur by weight.

e. C.P. Mill #3 shall not be operated without a fabric filter control device (baghouse). The baghouse shall be operated in such a way as to achieve a Total Suspended Particulate (TSP) removal efficiency of 99.9%.

f. The NOx emission rate from Stack S12 shall not exceed 3.29 pounds per hour.

VIII. B. Federally Enforceable Operational and Emission Limitations (cont'd)

The Permittee shall also be subject to the federally enforceable operational and emission limitations identified in Table 5 below.

Table 5 - Federally Enforceable Operational and Emission Limitations

Item #	Regulatory Cite	Applicable Emission Unit	Applicable Requirement
1.	Env-A 606	Facility Wide	Air pollution dispersion modeling impact analysis requirements in order to determine compliance with the state implementation plan, RSA 125-C, RSA 125-I, and any rules adopted thereunder.
2.	RSA 125-C:6 RSA 125-C:11 Env-A 606.04	Facility Wide[1]	The sulfur content of No. 2 fuel oil shall not exceed 0.15% sulfur by weight.
3.	Env-A 1211.10(b)	C.P. Mills #1, 2, & 3; Board Dryers #1 & 2	On and after May 31, 1995, wallboard dryers, calcining mills, calciners and gypsum rock dryers shall comply with the NOx RACT emission limit of 0.10 lb/mmBtu while firing natural gas or No. 2 fuel oil.
4.	Env-A 2003.02	Stacks (S8 & S10)= Board Dryers #1 & 2	No owner or operator shall cause or allow average opacity from fuel burning devices installed after May 13, 1970 in excess of 20 percent for any continuous 6 minute period in any 60 minute period.
5.	Env-A 2103.02(c)	Stack (S7) = Starch Storage	For any source or device installed after February 18, 1972 and utilized at a process, manufacturing or service-based industry, no person shall cause or allow the emission of particulate matter to exceed particulate matter emission standards as calculated below, where: (A) "E" means the maximum allowable particulate matter emission rate in pounds per hour; and (B) "P" means the process weight rate in tons per hour. (C) For process wright rates up to 60,000 pounds per hour, P shall be raised to the 0.67 power and multiply the result by 4.10, as in the formula below: $E = 4.10 \times P^{0.67}$ (D) For process weight rates in excess of 60,000 pounds per hour, P shall be raised to the 0.11 power and multiply that result by 55.0 and then subtract 40, as in the formula below: $E = 55.0 \times P^{0.11} - 40$
6.	Env-A 2107.01	Stack (S7) [Visible stack emissions]; Facility Wide [Visible fugitive emissions]	Unless otherwise specified in this chapter, no person shall cause or allow visible fugitive emissions or visible stack emissions for any process, manufacturing, or service-based industry subject to this chapter to exceed an average of 20 percent opacity for any continuous 6-minute period in any 60-minute period, except as specified in Env-A 2000.

[1] Facility Wide shall include all significant and insignificant activities at the facility.

Table 5 - Federally Enforceable Operational and Emission Limitations			
7.	40 CFR 52[2]	Facility Wide	Gaseous fuel shall contain no more than 5 grains of sulfur per 100 cubic feet of gas, calculated as hydrogen sulfide at standard temperature and pressure.
8.	40 CFR 60 Subpart OOO Section 60.672 Standards for Particulate Matter	Stack (S1), Stack (S2), Stack (S5), and Stack (S6). Individual equipment listed in Table 5-A.	(a) On and after the date on which the performance test required to be conducted by 40 CFR 60 Section 60.8 is completed, no owner or operator subject to the provisions of this Subpart shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any stack emissions which: (1) Contain particulate matter in excess of 0.05 grams per dry standard cubic meter [0.05 g/dscm]; or (2) Exhibit greater than 7 percent opacity, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. (b) No owner or operator subject to the provisions of this Subpart shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any fugitive emissions which exhibit greater than 10 percent opacity, except as provided in paragraphs (c), (d), and (e) in this section. (c) No owner or operator shall cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15 percent opacity (d) Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of this section. (e) If any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the emission limits in paragraphs (a), (b), and (c) of this section, or the building enclosing the affected facility or facilities must comply with the following emission limits: (1) No owner or operator shall cause to be discharged into the atmosphere from any building enclosing any transfer point on a conveyor belt or any other affected facility any visible fugitive emissions except emissions from a vent as defined in Section 60.671. (2) No owner or operator shall cause to be discharged into the atmosphere from any vent of any building enclosing any transfer point on a conveyor belt or any other affected facility emissions which exceed the stack emissions limits in paragraph (c) of this section.
9.	40 CFR 60 Subpart UUU Section 60.732 Standards for Particulate Matter	Stack (S3) = C.P. Mill #1; Stack (S4) = C.P. Mill #2; and Stack (S12) = C.P. Mill #3	No emissions shall be discharged into the atmosphere from any affected facility that: (a) Contains particulate matter in excess of 0.092 grams per dry standard cubic meter [0.092 g/dscm] (0.040 grain per dry standard cubic foot [0.040 gr/dscf]) for calciners and for calciners and dryers installed in series. (b) Exhibits greater than 10 percent opacity, unless the emissions are discharged from an affected facility using a wet scrubber.

[2] Env-A 402.03, effective on December 27, 1990, was adopted as part of the State Implementation Plan (SIP) on September 14, 1992 and is still considered federally enforceable until such time as the SIP is amended and approved by the EPA.

Table 5 - Federally Enforceable Operational and Emission Limitations			
10.	40 CFR 68	Facility Wide	The facility is subject to the Purpose and General Duty clause of the 1990 Clean Air Act, Section 112(r)(1). General Duty includes the following responsibilities: 1. Identify potential hazards which may result from such releases using appropriate hazard assessment techniques; 2. Design and maintain a safe facility; 3. Take steps necessary to prevent releases; and 4. Minimize the consequences of accidental releases which do occur.
11.	40 CFR 82 Stratospheric Ozone Protection	Facility Wide	(a) Owners of equipment with charges of greater than 50 pounds are required to repair substantial leaks. A 35 percent annual leak rate is established for the industrial process and commercial refrigeration sectors as the trigger for requiring repairs. An annual leak rate of 15 percent of charge per year is established for comfort cooling chillers and all other equipment with a charge of over 50 pounds other than industrial process and commercial refrigeration equipment. (b) Technicians servicing appliances that contain 50 or more pounds of refrigerant must provide the owner with an invoice that indicates the amount of refrigerant added to the appliance. In addition, technicians must be certified and keep a copy of their proof of certification at their place of business. (c) Owners of air-conditioning and refrigeration equipment with more than 50 pounds of charge must keep records of the quantity of refrigerant added to their equipment during servicing and maintenance procedures and the date and type of service rendered to the equipment.

Table 5-A Subpart OOO Applicability Summary of Equipment				
Process Source Number	**Stack Number**	**Emission Unit System**	**Individual Equipment**	**NSPS Subpart OOO Applicability**
R1	S1	Rock Crushing	Norba Crusher	Yes
			Hammer Mill	Yes
			Rock Crusher Feed Conveyor	Yes
			Rock Crusher	Yes
			Rock Bin Feed Conveyor, Bottom Transfer	Yes
R2	S2	Rock System	Rock Bin #1	Yes
			Rock Bin #2	Yes
			Rock Bin #3	Yes
			Williams Mill Rock Bin	Yes
			Rock Bin Feed Conveyor, Top Transfer	Yes
			Rock Bin Shuttle Conveyor	Yes
R5	S2	Williams Mill	Williams Mill	Yes
R6	S5	Stucco Screen	Stucco Screen	Yes
			Stucco Supply Elevator	Yes
R7	S5	No. 1 Stucco Storage System	Stucco Bin #1	Yes
			West Recirculating Elevator	Yes
R8	S5	No. 2 Stucco Storage System	Stucco Bin #2	Yes
			East Recirculating Elevator	Yes
R9	S5	Stucco Cooling System	Stucco Return Elevator	Yes
R10	S6	Additive Bin Filling	Landplaster Bin	Yes
R12	S1	#1 Board Trimmer	#1 Board Trimmer	No
R13	S1	#2 Board Trimmer	#2 Board Trimmer	No
R18	S1	Dunnage Trim Machine	Dunnage Trim Machine	No
R19	S2	Pin Mixer System	Pin Mixer	No
			Schenck Weigh Conveyor	Yes
			Ball Mill #1	Yes
			Ball Mill #2	Yes
			Ball Mill #3	Yes
			Ball Mill #4	Yes

Table 5-A Subpart OOO Applicability Summary of Equipment				
R19	S2	Pin Mixer System (cont'd)	Ball Mill #5	Yes
			Ball Mill #6	Yes
Fugitive	Fugitive	Landplaster Tote Filling	Landplaster Tote Filling	Yes

VIII. C. Emission Reductions Trading Requirements

The Permittee did not request emissions reductions trading in its operating permit application. At this point, DES has not included any permit terms authorizing emissions trading in this permit. All emission reductions trading, must be authorized under the applicable requirements of either Env-A 3000 (the "Emissions Reductions Credits (or ERCs) Trading Program") or Env-A 3100 (the "Discrete Emissions Reductions (or DERs) Trading Program") and 42 U.S.C. §7401 et seq. (The "Act"), and must be provided for in this Permit.

VIII. D. Monitoring/Testing Requirements

The Permittee is subject to the monitoring/ testing requirements as contained in Table 6 below:

Table 6 - Monitoring/Testing Requirements

Item #	Control Device	Parameter	Method of Compliance	Frequency of Method	Regulatory Cite
1.	Facility Stacks	Allows for adequate dispersion of HAPs and other regulated pollutants	Conduct an annual inspection of each stack and fuel burning device. Records of inspections and subsequent maintenance conducted as a result of the annual inspections shall be kept on file at the Facility for review by the Division and/or EPA upon request.	Annually	40 CFR 70.6(a)(3) Federally Enforceable
2.	C.P. Mills #1, 2, & 3; Board Dryers #1 & 2 = Stacks (S3), (S4), (S8), (S10), and (S12)	NOx RACT Compliance Testing	NOx Testing: (A) Except for those devices specified in Env-A 810.01**,** all stationary sources subject to this part shall conduct periodic stack testing, no less frequently than once every 3 years, in order to demonstrate compliance with the NOx RACT air pollution control requirements specified in Env-A 1211.03 through Env-A 1211.13. The first test shall occur no later than 3 years from the date of the initial compliance stack test required by Env-A 1211.21(a). (B) The owner or operator of a stationary source or device required to conduct an initial compliance stack test or periodic stack testing shall submit a stack test report to the division within 30 days of the date of such stack test. (C) For stationary sources, including utility boilers, industrial boilers, municipal waste incinerators and stationary diesel engines, the following test methods shall be used: (1) Method 7, 7A, 7C, 7D or 7E, 40 CFR Part 60, Appendix A to determine NOx concentrations in stack gases from applicable stationary sources. (2) Method 1 and 2, 40 CFR Part 60, Appendix A to determine the exit velocity of stack gases from applicable stationary sources. (3) Method 3 or 3A, 40 CFR Part 60, Appendix A to determine carbon dioxide, oxygen, excess air and molecular weight (dry basis) of stack gases from applicable stationary sources. (4) Method 4, 40 CFR Part 60, Appendix A to determine moisture content (volume fraction of water vapor) of stack gases from applicable stationary sources. (D) Comply with the general testing requirements specified in Env-A 802.	Once every three years	Env-A 1211.21, Env-A 802, and 40 CFR 70.6(a)(1) Federally Enforceable

Table 6 - Monitoring/Testing Requirements					
3.	PC-(R1) PC-(R12) PC-(R13) PC-(R18) PC-(R2) PC-(R5) PC-(R19) PC-(R3) PC-(R4) PC-(R6) PC-(R7) PC-(R8) PC-(R9) PC-(R10) PC-(R11) PC-(R20)	Total Suspended Particulate Control	(A) Establish a pressure differential range representative of normal daily Baghouse operations and in accordance with manufacturers recommended operating parameters. Keep record of differential pressure ranges for each baghouse in the preventative maintenance logbook for the baghouses. Pressure differentials may be changed provided the permittee submits a written request to the DES and the DES approves such a change. Such changes may be the result of process optimization or a manufacturers recommendation. (B) Conduct the following daily monitoring of each baghouse system: 1) pressure differential of each unit; and 2) visible emission (VE) check of each unit as specified in (C). (C) The person performing the VE check shall stand at a distance of at least 15 feet which is sufficient to provide a clear view of the plume against a contrasting background with the sun in the 140 degree sector at his/her back. Consistent with this requirement, the determination shall be made from a position such that the line of vision is approximately perpendicular to the plume direction. Only one plume shall be in the line of sight at any time when multiple stacks are in proximity to each other. The visible emission check shall be conducted for at least one continuous minute of time. (D) The permittee shall retain a record of daily visible emissions determinations and differential pressures for each baghouse in a daily logbook, noting in the logbook when a unit is not in operation or other conditions which prevented the daily monitoring to be completed. (E) When a VE determination shows a visible emission, a qualified operator shall determine the cause of the excursion and correct the problem in the most expedient manner possible. The permittee shall note the cause of the excursion, the pressure drop, any other pertinent operating parameters, and the corrective action taken in the maintenance log. (F) If the problem detected is not corrected within 24 hours, report as a deviation in the semiannual report.	Daily and weekly as specified	Env-A 806.01(4) and 40 CFR 70.6(a)(3) Federally Enforceable

Table 6 - Monitoring/Testing Requirements					
3. (Cont'd)	PC-(R1) PC-(R12) PC-(R13) PC-(R18) PC-(R2) PC-(R5) PC-(R19) PC-(R3) PC-(R4) PC-(R6) PC-(R7) PC-(R8) PC-(R9) PC-(R10) PC-(R11) PC-(R20)	Total Suspended Particulate Control	(G) Permittee shall develop a preventative maintenance program with the following minimum requirements: 1. Specify pressure differential range for each baghouse in the preventative maintenance logbook. 2. Weekly Check: a. Pressure differential b. Inspect compressed air/reversed air system c. Inspect hopper/screw conveyor 3. Record findings and corrective action in the preventative maintenance logbook.	Daily and weekly as specified	Env-A 806.01(4) and 40 CFR 70.6(a)(3) Federally Enforceable
4.	Facility Wide	Fuel Sulfur Content Verification	The operator shall conduct testing using the appropriate ASTM Method or retain certified delivery tickets which state the weight percent of sulfur for each delivery of fuel oil to determine compliance with the sulfur content limitation provisions in this permit for liquid fuels in order to meet the reporting requirements specified in Env-A 900.	For each delivery	Env-A 809 Federally Enforceable

VIII. E. Record keeping Requirements

The Permittee is subject to the Record keeping requirements as contained in Table 7 below:

Table 7 - Applicable Record keeping Requirements

Item #	Record keeping Requirement	Frequency of Record keeping	Applicable Emission Unit	Regulatory Cite Federally Enforceable or State-Only Enforceable
1.	The Permittee shall retain records of all required monitoring data, record keeping and reporting requirements and support information for a period of at least 5 years from the date of the origination.	Retain for a minimum of 5 years	Facility wide	40 CFR 70.6(a)(3)(ii)(B) Federally Enforceable
2.	The permittee shall maintain records of monitoring and testing as specified in Table 5 of this permit for: (A) Preventative maintenance and inspection results for stacks; and (B) Daily Baghouse pressure differential and Method 22 observation results.	Maintain on a continuous basis as specified in Table 5 of this permit	Facility wide	40 CFR 70.6(a)(3)(iii)(A) Federally Enforceable
3.	Monthly records of fuel utilization and steam usage shall be kept at the facility and contain the following information: (A) Consumption (B) Fuel type; (C) Viscosity; (D) Sulfur content as percent sulfur by weight of fuel; (E) Btu content per gallon or cubic feet of fuel; and (F) Hours of operation	Maintain at facility at all times.	Facility Wide	Env-A 901.03 Federally Enforceable
4.	(A) Monthly records shall be kept regarding the total quantities of raw materials, excluding gaseous and liquid fuels and combustion air charged to a process, and process weight, as defined in Env-A 101. The number of hours of operation corresponding to the process weight quantities shall also be recorded. (B) Sources operating more than a single process shall keep records for each process. (C) Sources operating one or more processes which discharge air pollutants through more than one discharge point shall record data as to the distribution of the process weights or discharges among such discharge points, whichever is applicable. Such distribution may be estimated, but estimates shall be based on reliable operational information.	Maintain at facility at all times.	Facility Wide	Env-A 901.04 Federally Enforceable

Table 7 - Applicable Record keeping Requirements				
5.	NOx Record keeping Requirements: (A) For fuel burning devices and incinerators, including boilers, turbines, and internal combustion engines, the following information shall be recorded and maintained: (1) Facility information, including: a. Source name; b. Source identification; c. Physical address; d. Mailing address; and (2) Identification of fuel burning device or incinerator; (3) Operating schedule information for each fuel burning device or incinerator identified in (A)(2), above, including; a. Days per calendar week during the normal operating schedule; b. Hours per day during the normal operating schedule and for a typical ozone season day, if different from the normal operating schedule; and c. Hours per year during the normal operating schedule; (4) Type, and amount of fuel or waste burned, for each fuel burning device or incinerator, during normal operating conditions and for a typical ozone season day, if different from normal operating conditions, on an hourly basis in million Btu's per hour or, for incinerators, in tons per hour; (5) The following NOx emission data, including records of total annual emissions, in tons per year, and typical ozone season day emissions, in pounds per day: a. Theoretical potential emissions for the calculation year for each fuel burning device or incineration unit; and b. Actual NOx emissions for each fuel burning device or incineration unit.	Maintain at facility at all times.	Facility Wide	Env-A 901.08 Federally Enforceable

Table 7 - Applicable Record keeping Requirements				
6.	VOC Record keeping Requirements: For all applicable facilities and devices, the following information shall be recorded and maintained at the facility: (1) Facility information, including: a. Source name; b. Source identification; c. Physical address; and d. Mailing address; (2) Identification of each VOC-emitting device or process, except: a. Processes or devices associated exclusively with non-core activities, as defined in Env-A 1204.03; and b. Processes or devices emitting only exempt VOCs. (3) Operating schedule information for each VOC-emitting device or process identified in (A)(2), above, including: a. Days of operation per calendar week during the normal operating schedule; b. Hours of operation per day during the normal operating schedule and for a typical high ozone season day, if different from the normal operating schedule; and c. Hours of operation per year under normal operating conditions; (4) The following VOC emission data: a. Annual theoretical potential emissions, as determined in accordance with the applicable section(s) of Env-A 803, using the VOC content for the calculation year for each VOC-emitting device or process identified in (A)(2), above, for: 1. Each year, in tons per year; and 2. A typical day during the high ozone season of each year, in pounds per day; b. Actual VOC emissions from each VOC-emitting device or process identified in (A)(2), above for: 1. Each year, in tons per year; and 2. A typical day during the high ozone season of each year, in pounds per day; c. Estimated emissions method code; and d. Applicable emission factors, if used to calculate emissions. (5) The calculation of emission estimates pursuant to (A)(4), above, for a typical high ozone season day shall be based on the mean of the parameters relating to operating and process rate conditions during the high ozone season.	Maintain at facility at all times.	Facility Wide	Env-A 901.06(d) Federally Enforceable

Table 7 - Applicable Record keeping Requirements				
7.	Any owner or operator subject to the provisions of this part shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.	Maintain at facility at all times	Stacks (S1), (S2), (S5), (S3), (S4), (S8), (S10), and (S12)	40 CFR 60, Subpart A, Section 60.7(b) Federally Enforceable

VIII. F. Reporting Requirements

The Permittee is subject to the reporting requirements as contained in Table 8 below:

	Table 8 - Applicable Reporting Requirements			
Item #	Reporting Requirement	Frequency of Reporting	Applicable Emission Unit	Regulatory Cite Federally Enforceable or State-Only Enforceable
1.	VOC Reporting Requirements: (A) All sources subject to the reporting requirements of this section shall submit the following information to the director in accordance with the schedule in Env-A 901.07(h): (1) Facility information, including: a. Source name; b. Source identification; c. Physical address; d. Mailing address; and (2) Identification of each device or process operating at the source identified in (a)(1), above; (3) Operating schedule information for each device or process identified in (a)(2), above, including such information for: a. A typical business day; and b. A typical high ozone season day, if different from a typical business day; (4) Total quantities of actual VOC and NOx emissions for the entire facility and for each device or process identified in (a)(2), above, including: a. Annual VOC emissions, and b. Typical high ozone season day VOC emissions.	By April 15, 1996 for calendar year 1995; every third calendar year after 1995 by April 15th of the following year.	Facility Wide	Env-A 901.07(b) Federally Enforceable
2.	NOx Reporting Requirements: For fuel burning devices and incinerators, including boilers, turbines and engines, as well as asphalt plant dryers and miscellaneous sources, the owner or operator shall submit to the director, annually (no later than April 15th of the following year), reports of the data required by Env-A 90108, including total annual quantities of all NO_x emissions.	Annually (no later than April 15th of the following year)	Facility Wide	Env-A 901.09(a) & Env-A 901.09(b)(1) Federally Enforceable
3.	Prompt reporting of deviations from Permit requirements within 8 hours of such an occurance by phone or fax in accordance with Section XXVIII. of this Permit.	Prompt reporting (ie; within 8 hours of an occurrence).	Facility wide	Env-A 902.02 & 40 CFR 70.6(a)(3)(iii)(B) Federally Enforceable

	Table 8 - Applicable Reporting Requirements			
4.	The Permittee shall submit to the Division a summary report of monitoring and testing requirements every 6 months. All instances of deviations from Permit requirements must clearly be identified in such reports. All required reports must be certified by a responsible official consistent with section 70.5(d). The report shall contain a summary of the following information: (A) Preventative maintenance and inspection results for stacks and fuel burning devices; and (B) Fuel sulfur content certifications.	Every 6 months by July 31st and January 31st of each calendar year.	Facility wide	40 CFR 70.6(a)(3)(iii)(A) Federally Enforceable
5.	The permittee shall submit to the Division a copy of any stack test results conducted at the facility for determination of NOx RACT compliance within 30 days of such testing is complete.	Within 30 days of a stack test	Facility Wide	40 CFR 70.6(a)(3)(iii)(A) Federally Enforceable
6.	The permittee shall annually submit to the director, an annual fuel usage report indicating monthly fuel usage with corresponding calendar year fuel usage totals for each fuel burning device.	Annually (no later than April 15th of the following year)	Facility Wide	40 CFR 70.6 (a)(1) Federally Enforceable
7.	Any report submitted to the Division and/or EPA shall include the compliance certification statement as outlined in Section XXI.B. of this Permit and shall be signed by the responsible official.	As specified	Facility wide	40 CFR 70.6(c)(1) Federally Enforceable
8.	Annual reporting and payment of emission based fees shall be conducted in accordance with Section XXIII of this Permit.	As specified in Section XXIII.	Facility wide	Env-A 704.03
9.	Annual compliance certification shall be submitted in accordance with Section XXI. of this Permit.	April 15th	Facility wide	40 CFR 70.6(c)(1) Federally Enforceable

IX. Requirements Currently Not Applicable:

Based on the information provided by the permittee in the Title V Permit Application, the permittee is currently not subject to the requirements identified in the following Table 9 at the time of permit issuance:

Table 9 - Requirements Currently Not Applicable	
Statutes and Regulations	**Reason**
Env-A 100	Statutory Definitions
Env-A 200	Procedural Rules for the Division
Env-A 402.02(b)	No. 4 oil not burned at this facility
Env-A 402.02(c)	Nos. 5 and 6 oils not burned at this facility
Env-A 402.04	This facility does not burn coal
Env-A 403	All fuels conform to limits and facility has not applied for a waiver
Env-A 404.01(b)	Facility is not a fuel supplier

Table 9 - Requirements Currently Not Applicable	
Env-A 405	Facility has not applied for a waiver
Env-A 406	Facility is not a major source of sulfur dioxide
Env-A 502	Emissions of particulate matter and sulfur dioxide are less than 100 tons per year
Env-A 611	Facility is not an affected facility
Env-A 613	Facility has not applied for an emissions bubble
Env-A 621.01	Facility has not requested such an exemption
Env-A 621.02	Facility has not requested such an exemption
Env-A 622	Facility has not had a major modification since promulgation of this regulation
Env-A 703	Facility is a Title V source
Env-A 901.04(d)	No emissions monitoring equipment at this facility
Env-A 901.12	No continuous emissions monitoring at this facility
Env-A 901.06(e) through (m)	Facility does not have any of these sources
Env-A 901.07(c) through (f)	Facility does not have any of these sources
Env-A 901.11	Facility has not requested permission to destroy records
Env-A 901.12	No continuous emissions monitoring equipment at this facility
Env-A 1001	No open burning is conducted at this facility
Env-A 1901	Facility does not have an incinerator
Env-A 2003.01	No combustion devices installed prior to 1970
Env-A 2003.03	No fuel burning devices installed prior to 1970 which were replaced.
Env-A 2003.06	No fuel burning devices installed prior to 1970
Env-A 2003.07	No fuel burning devices installed between 1970 and 1985
Env-A 2003.09	No fuel burning device connected to two or more stacks
Env-A 2106	No acid-mist emitting operations at this facility
Env-A 2104.02	Elements listed are not emitted
Env-A 2106	No acid-emitting processes at this facility
Env-A 1204	Facility not subject to Env-A 1204 - VOC RACT, no such sources at the facility
Env-A 1205	No gasoline dispensing at this facility
Env-A 2400	No foundries, smelters, or investment casting at this facility
Env-A 2500	No pulp and paper operations at this facility
Env-A 2600	Facility is not a Kraft pulp mill

Table 9 - Requirements Currently Not Applicable	
Env-A 2700	Facility is not an asphalt plant
Env-A 2800	No sand, gravel, or concrete operations at this plant
Env-A 1211.03 through 1211.09	None of these sources at the facility
Env-A 1211.11 through 1211.13	None of these sources at the facility
Env-A 1211.17	Facility has not applied for a bubble
Env-A 1211.18	Facility is not seeking alternative RACT limits
Env-A 1211.20	Facility has not requested seasonal control
Env-A 1211.22	No CEM's required at this facility provided NOx RACT limits are satisfied
Env-A 1306.01	No MACT standards currently applicable to this facility
40 CFR 60, Subpart A, Section 60.7(c), (d)	No CEM'S's at the facility
40 CFR 60, Subpart A, Section 60.13	No CEM'S's at the facility
40 CFR 60, Subpart A, Section 60.14	Not pertinent to this facility, only to existing facilities which undergo a modification which results in an increase in an emission rate of any pollutant to which a standard applies within the meaning of Section 111 of the Act
40 CFR 60, Subpart A, Section 60.15	Not pertinent to this facility, only to existing facilities which undergo reconstruction, becoming an affected facility, irrespective of any change in emission rate
40 CFR 60, Subpart B	State Plans for designated facilities
40 CFR 60; Subparts Cb, Cc, Cd, D, Da, Db, Dc, E, Ea, Eb, Ec, F, G, H, I, J, K, L, M, N, Na, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AAa, BB, CC, DD, EE, GG, HH, JJ, KK, LL, MM, NN, PP, QQ, RR, SS, TT, UU, VV, WW, XX, AAA, BBB, DDD, FFF, GGG, HHH, III, JJJ, KKK, LLL, MMM, PPP, QQQ, RRR, SSS, TTT, VVV, WWW, XXX, and YYY	Not applicable to any operations at this facility
40 CFR 61	Not applicable, no other standards apply to the facility
40 CFR 63	Not applicable, no other standards apply to the facility
40 CFR 68	Facility does not store any listed chemicals above threshold quantities
40 CFR 72, 73, 75, 76, 77	This facility is not an acid rain affected facility
40 CFR 82, Subpart A	Facility does not produce or consume Class I or II substances in its manufacturing process
40 CFR 82, Subpart B	No servicing of motor vehicle air conditioners at this facility
40 CFR 82, Subpart C	No non-essential products containing Class I or II substances
40 CFR 82, Subpart E	No Class I or II substances used in the manufacturing process at this facility

General Title V Operating Permit Conditions

X. Issuance of a Title V Operating Permit:

A. This Permit is issued in accordance with the provisions of Part Env-A 609. In accordance with 40 CFR 70.6(a)(2) this Permit shall expire on the date specified on the cover page of this Permit, which shall not be later than the date five (5) years after issuance of this Permit.

Permit expiration terminates the Permittee's right to operate the Permittee's emission units, control equipment or associated equipment covered by this permit, unless a timely and complete renewal application is submitted at least 6 months before the expiration date.

B. Pursuant to Env-A 609.02(b), this Permit shall be a state permit to operate as defined in RSA 125-C:11, III.

XI. Title V Operating Permit Renewal Procedures:

Pursuant to Env-A 609.06(b), an application for renewal of this Permit shall be considered timely if it is submitted to the Director at least six months prior to the designated expiration date of this Permit.

XII. Application Shield:

Pursuant to Env-A 609.07, if an applicant submits a timely and complete application for the issuance or renewal of a Permit, the failure to have a Permit shall not be considered a violation of this part until the Director takes final action on the application.

XIII. Permit Shield:

A. Pursuant to Env-A 609.08(a), a permit shield shall provide that:

1. For any applicable requirement or any state requirement found in the New Hampshire Rules Governing the Control of Air Pollution specifically included in this Permit, compliance with the conditions of this Permit shall be deemed compliance with said applicable requirement or said state requirement as of the date of permit issuance; and

2. For any potentially applicable requirement or any potential state requirement found in the New Hampshire Rules Governing the Control of Air Pollution specifically identified in this Title V Operating Permit Section IX as not applicable to the stationary source or area source, the Permittee need not comply with the specifically identified federal or state requirements.

B. The permit shield identified in Section XIII.A. of this Permit shall apply only to those conditions incorporated into this Permit in accordance with the provisions of Env-A 609.08(b). It shall not apply to certain conditions as specified in Env-A 609.08(c) that may be incorporated into this Permit following permit issuance by the Division.

C. If a Title V Operating Permit and amendments thereto issued by the DES does not expressly include or exclude an applicable requirement or a state requirement found in the NH Rules Governing the Control of Air Pollution, that applicable requirement or state requirement shall not be covered by the permit shield and the Permittee shall comply with the provisions of said requirement to the extent that it applies to the Permittee.

D. If the DES determines that this Title V Operating Permit was issued based upon inaccurate or incomplete information provided by the applicant or Permittee, any permit shield provisions in said Title V Operating Permit shall be void as to the portions of said Title V Operating Permit which are affected, directly or indirectly, by the inaccurate or incomplete information.

E. Pursuant to Env-A 609.08(f), nothing contained in Section XIII of this Permit shall alter or affect the ability of the DES to reopen this Permit for cause in accordance with Env-A 609.18 or to exercise its summary abatement authority.

F. Pursuant to Env-A 609.08(g), nothing contained in this section or in any title V operating permit issued by the DES shall alter or affect the following:

1. The ability of the DES to order abatement requiring immediate compliance with applicable requirements upon finding that there is an imminent and substantial endangerment to public health, welfare, or the environment;

2. The state of New Hampshire's ability to bring an enforcement action pursuant to RSA 125-C:15,II;

3. The provisions of section 303 of the Act regarding emergency orders including the authority of the EPA Administrator under that section;

4. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;

5. The applicable requirements of the acid rain program, consistent with section 408(a) of the Act;

6. The ability of the Division or the EPA Administrator to obtain information about a stationary source, area source, or device from the owner or operator pursuant to section 114 of the Act; or

7. The ability of the DES or the EPA Administrator to enter, inspect, and/or monitor a stationary source, area source, or device.

XIV. Reopening for Cause:

The Director shall reopen and revise a Title V Operating Permit for cause if any of the circumstances contained in Env-A 609.18(a) exist. In all proceedings to reopen and reissue a Title V Operating Permit, the Director shall follow the provisions specified in Env-A 609.18(b) through (g).

XV. Administrative Permit Amendments:

A. Pursuant to Env-A 612.01, the Permittee may implement the changes addressed in the request for an administrative permit amendment as defined in Part Env-A 100 immediately upon submittal of the request.

B. Pursuant to Env-A 612.01, the Director shall take final action on a request for an administrative

permit amendment in accordance with the provisions of Env-A 612.01(b) and (c).

XVI. Operational Flexibility:

A. Pursuant to Env-A 612.02(a), the Permittee subject to and operating under this Title V Operating Permit may make changes involving trading of emissions under this existing Title V Operating Permit at the permitted stationary source or area source without filing a Title V Operating Permit application for and obtaining an amended Title V Operating Permit, provided that all the conditions are met as specified in section XVI. A. 1. through 7. of this permit and a notice is submitted to the Division and EPA describing the intended changes. **At this point, the DES has not included any permit terms authorizing emissions trading in this permit.**

1. The change is not a modification under any provision of title I of the Act;

2. The change does not cause emissions to exceed the emissions allowable under the Title V operating permit, whether expressed therein as a rate of emissions or in terms of total emissions;

3. The owner or operator has obtained any temporary permit required by Env-A 600;

4. The owner or operator has provided written notification to the director and administrator at least 15 days prior to the proposed change and such written notification includes:

   a. The date on which each proposed change will occur;

   b. A description of each such change;

   c. Any change in emissions that will result and how this change in emissions will comply with the terms and conditions of the permit;

   d. A written request that the operational flexibility procedures be used; and

   e. The signature of the responsible official, consistent with Env-A 605.04(b);

5. The title V operating permit issued to the stationary source or area source already contains terms and conditions including all terms and conditions which determine compliance required under 40 CFR 70.6(a) and (c) and which allow for the trading of emissions increases and decreases at the permitted stationary source or area source solely for the purpose of complying with a federally-enforceable emissions cap that is established in the permit independent of otherwise applicable requirements;

6. The owner or operator has included in the application for the title V operating permit proposed replicable procedures and proposed permit terms which ensure that the emissions trades are quantifiable and federally enforceable for changes to the title V operating permit which qualify under a federally- enforceable emissions cap that is established in the title V operating permit independent of the otherwise applicable requirements; and

7. The proposed change complies with Env-A 612.02 (e).

B. Pursuant to Env-A 612.02(c), the Permittee subject to and operating under this Title V Operating Permit may make changes not addressed or prohibited by this existing Title V Operating Permit at the permitted stationary source or area source without filing a Title V Operating Permit application, provided that all the conditions specified in Env-A 612.02(c)(1) through (6) are met and a notice is submitted to the DES and EPA describing the intended changes.

C. Pursuant to Env-A 612.02(d), the Permittee, Operator, Director and Administrator shall attach each notice of an off-permit change completed in accordance with Section XVI of this Title V Operating Permit to their copy of the current Title V Operating Permit.

D. Pursuant to Env-A 612.02(e), any change under Section XVI shall not exceed any emissions limitations established under the NH Rules Governing the Control of Air Pollution, or result in an increase in emissions, or result in new emissions, of any toxic air pollutant or hazardous air pollutant other than those listed in the existing Permit.

E. Pursuant to Env-A 612.02(f), the off-permit change shall not qualify for the permit shield under Env-A 609.08.

XVII. Minor Permit Amendments:

A. Pursuant to Env-A 612.04 prior to implementing a minor permit modification, the Permittee shall submit a written request to the Director in accordance with the requirements of Env-A 612.04(b).

B. The Director shall take final action on the minor permit amendment request in accordance with the provisions of Env-A 612.04(c) through (g).

C. Pursuant to Env-A 612.04(h), the permit shield specified in Env-A 609.08 shall not apply to minor permit amendments under Section XVII. of this Permit.

D. Pursuant to Env-A 612.04(i), the Permittee shall be subject to the provisions of Part Env-A 614 and Part Env-A 615 if the change is made prior to the filing with the Director a request for a minor permit amendment.

XVIII. Significant Permit Amendments:

A. Pursuant to Env-A 612.05, a change at the facility shall qualify as a significant permit amendment if it meets the criteria specified in Env-A 612.05(a)(1) through (7).

B. Prior to implementing the significant permit amendment, the Permittee shall submit a written request to the Director and to the EPA which includes all the information as referenced in Env-A 612.05(b) and (c) and shall be issued an amended Title V Operating Permit from the division. The Permittee shall be subject to the provisions of Env-A 614 and Env-A 615 if a request for a significant permit amendment is not filed with the Director and/or the change is made prior to the issuance of an amended Title V Operating Permit.

C. The Director shall take final action on the significant permit amendment in accordance with the procedures specified in Env-A 612.05(d), (e) and (f).

XIX. Title V Operating Permit Suspension, Revocation or Nullification:

A. Pursuant to RSA 125-C:13, the Director may suspend or revoke any final permit issued hereunder if, following a hearing, the Director determines that:

1. The Permittee has committed a violation of any applicable statute or state requirement found in the New Hampshire Rules Governing the Control of Air Pollution, order or permit condition in force and applicable to it; or

2. That the emissions from any device to which this Permit applies, alone or in conjunction with other sources of the same pollutants, presents an immediate danger to the public health.

B. The Director shall nullify any Permit, if following a hearing in accordance with RSA 541-A:30, II, a finding is made that the Permit was issued in whole or in part based upon any information proven to be intentionally false or misleading.

XX. Inspection and Entry:

Pursuant to Env-A 614.01, EPA and DES personnel shall be granted access to the facility covered by this Permit, in accordance with RSA 125-C:6,VII for the purposes of: inspecting the proposed or permitted site; investigating a complaint; and assuring compliance with any applicable requirement or state requirement found in the NH Rules Governing the Control of Air Pollution and/or conditions of any Permit issued pursuant to Chapter Env-A 600.

XXI. Certifications:

A. Compliance Certification Report

In accordance with 40 CFR 70.6(c) the Responsible Official shall certify, annually from the date of issuance, that the facility is in compliance with the requirements of this permit. The report shall be submitted to the DES and to the Regional Administrator, U.S. Environmental Protection Agency - New England Region. The report shall be submitted in compliance with the submission requirements below.

In accordance with 40 CFR 70.6(c)(5), the report shall describe:

1. The terms and conditions of the Permit that are the basis of the certification;

2. The current compliance status of the source with respect to the terms and conditions of this Permit, and whether compliance was continuous or intermittent during the reporting period;

3. The methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods; and

4. Any additional information required by the Division to determine the compliance status of the source.

B. Certification of Accuracy Statement

All documents submitted to the DES shall contain a certification of accuracy statement by the responsible official of truth, accuracy, and completeness. Such certification shall be in accordance with the requirements of 40 CFR 70.5(d) and contain the following language:

"I am authorized to make this submission on behalf of the affected source or affected units for which the submission is made. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information in the enclosed documents are to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

XXII. Enforcement:

Any noncompliance with a permit condition constitutes a violation of RSA 125-C:15 and the Act, and, as to the conditions in this permit which are federally enforceable, a violation of the Clean Air Act, 42 U.S.C. section 7401 et seq., and is grounds for enforcement action, for permit termination or revocation, or for denial of an operating permit renewal application by the Division and/or EPA. Noncompliance may also be grounds for assessment of administrative, civil or criminal penalties in accordance with RSA 125-C:15. This Permit does not relieve the Permittee from the obligation to comply with any other provisions of RSA 125-C, the New Hampshire Rules Governing the Control of Air Pollution, or the Clean Air Act, or to obtain any other necessary authorizations from other governmental agencies, or to comply with all other applicable Federal, State, or Local rules and regulations, not addressed in this Permit.

In accordance with 40 CFR 70.6 (a)(6)(ii) a Permittee shall not claim as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

XXIII. Emission-Based Fee Requirements:

A. The Permittee shall pay an emission-based fee annually for this facility as calculated each calendar year pursuant to Env-A 704.03.

B. The Permittee shall determine the total actual annual emissions from the facility to be included in the emission-based multiplier specified in Env-A 704.03(a) for each calendar year in accordance with the methods specified in Env-A 620.

C. The Permittee shall calculate the annual emission-based fee for each calendar year in accordance with the procedures specified in Env-A 704.03 and the following equation:

$$FEE = E \times DPT \times CPIm \times ISF$$

Where:

FEE = The annual emission-based fee for each calendar year as specified in Env-A 704.

E = The emission-based multiplier is based on the calculation of total annual emissions as specified in Env-A 704.02 and the provisions specified in Env-A 704.03(a).

DPT = The dollar per ton fee the DES has specified in Env-A 704.03(b).
CPIm= The Consumer Price Index Multiplier as calculated in Env-A 704.03(c).
ISF = The Inventory Stabilization Factor as specified in Env-A 704.03(d).

D. The Permittee shall contact the DES each calendar year for the value of the Inventory Stabilization Factor.

E. The Permittee shall contact the DES each calendar year for the value of the Consumer Price Index Multiplier.

F. The Permittee shall submit, to the DES, payment of the emission-based fee and a summary of the calculations referenced in Sections XXIII.B. and C of this Permit for each calendar year by October 15th of the following calendar year in accordance with Env-A 704.04. The emission-based fee and summary of the calculations shall be submitted to the following address:

New Hampshire Department of Environmental Services
Air Resources Division
64 North Main Street
P.O. Box 2033
Concord, NH 03302-2033
ATTN: Emissions Inventory

G. The DES shall notify the Permittee of any under payments or over payments of the annual emission-based fee in accordance with Env-A 704.05.

XXIV. Duty To Provide Information

In accordance with 40 CFR 70.6 (a)(6)(v), upon the DES's written request, the Permittee shall furnish, within a reasonable time, any information necessary for determining whether cause exists for modifying, revoking and reissuing, or terminating the Permit, or to determine compliance with the Permit. Upon request, the Permittee shall furnish to the DES copies of records that the Permittee is required to retain by this Permit. The Permittee may make a claim of confidentiality as to any information submitted pursuant to this condition in accordance with Part Env-A 103 at the time such information is submitted to the DES. The DES shall evaluate such requests in accordance with the provisions of Part Env-A 103.

XXV. Property Rights

Pursuant to 40 CFR 70.6 (a)(6)(iv), this Permit does not convey any property rights of any sort, or any exclusive privilege.

XXVI. Severability Clause

Pursuant to 40 CFR 70.6 (a)(5), the provisions of this Permit are severable, and if any provision of this Permit, or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances, and the remainder of this Permit, shall not be affected thereby.

XXVII. Emergency Conditions

Pursuant to 40 CFR 70.6 (g), the Permittee shall be shielded from enforcement action brought for noncompliance with technology based[3] emission limitations specified in this Permit as a result of an emergency[4]. In order to use emergency as an affirmative defense to an action brought for noncompliance, the Permittee shall demonstrate the affirmative defense through properly signed, contemporaneous operating logs, or other relevant evidence that:

A. An emergency occurred and that the Permittee can identify the cause(s) of the emergency;

B. The permitted facility was at the time being properly operated;

C. During the period of the emergency, the Permittee took all reasonable steps as expeditiously as possible, to minimize levels of emissions that exceeded the emissions standards, or other requirements in this Permit; and

D. The Permittee submitted notice of the emergency to the DES within two (2) business days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emission, and corrective actions taken.

XXVIII. Permit Deviation

In accordance with 40 CFR 70.6(a)(3)(iii)(B), the Permittee shall report to the DES all instances of deviations from Permit requirements, by telephone or fax, within 8 hours of discovery of such deviation pursuant to Env-A 902.02. This report shall include the deviation itself, including those attributable to upset conditions as defined in the Permit, the probable cause of such deviations, and any corrective actions or preventative measures taken. Said Permit deviation shall also be submitted in writing to the DES within fifteen (15) days of documentation of the deviation by facility personnel. Deviations are instances where any Permit condition is violated and has not already been reported as an emergency pursuant to Section XXVII of this Permit.

Reporting a Permit deviation is not an affirmative defense for action brought for noncompliance.

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[3] Technology based emission limits are those established on the basis of emission reductions achievable with various control measures or process changes (e.g., a new source performance standard) rather than those established to attain health based air quality standards.

[4] An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation would require immediate corrective action to restore normal operation, and that causes the source to exceed a technology based limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operations, operator error or decision to keep operating despite knowledge of any of these things.